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The Survivors of the F-227

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As has been stressed in previous readings, each culture provides guidelines for how to view the world, and for determining right and wrong. The perspective we learn envelops us much as a fish is immersed in water. Almost all the world's cultures uphold the idea that it is wrong to eat human flesh. (Some exceptions do apply, such as warriors who used to eat the heart or kidneys of slain enemies in an attempt to acquire the source of their strength or courage.) Thus it is safe to say that nowhere in the world is there a culture whose members regularly consume people as food. Yet, in the unusual situation recounted here, that is precisely what these people did.

Note how, even in the midst of reluctantly committing acts they themselves found extremely repugnant—and ones they fully knew that the world condemns—this group developed norms to govern their behavior. This was crucial for these survivors, because group support, along with its attendant norms, is critical in maintaining a sense of a "good" self. At the conclusion of the article, Henslin shows how this event is more than simply an interesting story—that it represents the essence of social life.

LOCATED BETWEEN BRAZIL AND ARGENTINA, near Buenos Aires, is tiny Uruguay. On October 12, 1972, a propeller-driven Fairchild F-227 left Uruguay's capital, Montevideo, bound for Santiago, Chile—a distance of about 900 miles. On board were 15 members of an amateur rugby team from Uruguay, along with 25 of their relatives and friends. The pilots, from the Uruguayan Air Force, soon became concerned about turbulence over the Andes Mountains. Winds blowing in from the Pacific were colliding with air currents coming from the opposite direction, creating a turbulence that could toss a plane around like a scrap of paper in a wind storm.

Since the threat was so great, the pilots decided to land in Mendoza, Argentina, where everyone spent the night. The next day, with the weather only slightly improved, the crew debated about turning back. Several of the rugby players taunted them, saying they were cowards. When the captain of a plane which had just flown over the Andes reported that the F-227 should be

able to fly over the turbulence, the Fairchild's pilots decided to continue the trip. Once again airborne, the young passengers laughed about its being Friday the 13th as some threw a rugby ball around and others played cards. Many of them still in their teens, and all of them from Uruguay's upper class (two were nephews of the president of Uruguay), they were in high spirits.

Over the Andes the plane flew into a thick cloud, and the pilots had to fly by instrument. Amid the turbulence they hit an "air pocket," and the plane suddenly plunged 3,000 feet. When the passengers abruptly found themselves below the cloud, one young man turned to another and said, "Is it normal to fly so close?" He was referring to the mountainside just 10 feet off the right wing.

With a deafening roar, the right wing sheared off as it hit the side of the mountain. The wing whipped over the plane and knocked off the tail. The steward, the navigator, and three of the rugby players still strapped in their seats were blown out of the gaping hole. Then the left wing broke off and, like a toboggan going 200 miles an hour, the fuselage slid on its belly into a steep, snow-covered valley.

As night fell, the survivors huddled in the wreckage. At 12,000 feet the cold, especially at night, was brutal. There was little fuel, because not much wood is used in the construction of airplanes. They had almost no food—basically some chocolate that the passengers had bought on their overnight stay in Mendoza. There were a few bottles of wine, and the many cartons of cigarettes they had purchased at a duty-free shop.

The twenty-seven who survived the crash expected to be rescued quickly. At most, they thought, they would have to spend the night on the mountain top. Seventy days later, only sixteen remained alive.

The chocolate and wine didn't go very far, and provided little nourishment. The plane, off course by a hundred miles or so and painted white, was not only difficult to track, but virtually invisible against the valley's deep layer of snow. Search planes were unable to locate the wreckage.

As the days went by, the survivors' spirits seemed to be sucked into a hopeless pit. Hunger and starvation began to bear down on them. They felt cold all the time. They became weaker and had difficulty keeping their balance. Their skin became wrinkled, like that of old people. Although no one mentioned it, several of the young men began to realize that their only chance to survive was to eat the bodies of those who died in the crash. The corpses lay strewn in the snow around the plane, perfectly preserved by the bitter cold.

The thought of cutting into the flesh of their friends was too ghastly a prospect to put into words. Finally, however, Canessa, a medical student, longer people. The soul was gone, he said, and the body was simply meat—and essential to their survival. They were growing weaker, and they could not survive without food. And what food was there besides the corpses? "They are no more human beings than the dead flesh of the cattle we eat at home," he said.

Days later, the topic moved from furtive discussion in a small group to open deliberation among all the survivors. Inside the plane, arguing the matter, Canessa reiterated his position. His three closest friends supported him, adding, "We have a duty to survive. If we don't eat the bodies, it is a sin. We must do this not just for our own sakes but also for our families. In fact," they continued, "God wants us to survive, and He has provided these bodies so we can live." Some, however, just shook their heads, the thought too disturbing to even contemplate.

Serbino pushed the point. He said, "If I die, I want you to eat my body. I want you to use it." Some nodded in agreement. In an attempt to bring a little humor to the black discussion, he added, "If you don't, I'll come back and give you a swift kick in the butt." Some said that while they did not think it would be wrong to eat the bodies, they themselves could never do it. The arguments continued for hours.

Four of the young men went outside. Near the plane, the buttocks of a body protruded from the snow. No one spoke as they stared at it. Wordlessly, Canessa knelt and began to cut with the only instrument he had found, a piece of broken glass. The flesh was frozen solid, and he could cut only slivers the size of matchsticks. Canessa laid the pieces on the roof of the plane, and the young men went back inside. They said that the meat was drying in the sun. The others looked mutely at one another. No one made a move to leave the plane.

Canessa decided that he would have to be the first to act. Going outside, he picked up a sliver of meat. Staring at it, almost transfixed, he became as though paralyzed. He simply couldn't make his hand move to his mouth. Summoning every ounce of courage, he forced his hand upwards. While his stomach recoiled, he pushed the meat inside his mouth and forced himself to swallow. Later, Serbino took a piece. He tried to swallow, but the sliver hung halfway down his throat. Quickly grabbing some snow, he managed to wash it down. Canessa and Serbino were joined by others, who also ate.

The next morning, on the transistor radio they had struggled so hard to get working, their hearts plunged when they heard that the air force had called off the search. The survivors knew that this announcement almost sealed their fate. The only way out, if there was one, was on their own. They held a meeting and decided that the fittest should try to seek help—even though no one knew where to seek it. But none was strong enough to try. With the snow's crust breaking under every step, even to walk was exhausting. There was only one way to regain strength, and, without giving the thought words, everyone knew what it was.

Canessa and Strauch went outside. The corpse was in the same position as before. They took a deep breath and began to hack meat off the bone. They laid the strips on the plane to thaw in the sun. The knowledge that no rescuers were looking for them encouraged others to join in eating the human flesh. They forced themselves to swallow—their consciences, seconded by their

stomachs, accusing them of extreme wrongdoing. Still, they forced the flesh down, telling themselves over and over that there was no other way to survive.

Some, however, could not. Javier and Liliana Method, husband and wife, though they longed to return to their children, could not eat human flesh. They said that the others could do as they liked, but perhaps God wanted them to choose to die.

The survivors began to organize. Canessa took charge of cutting up the bodies, while a group of the younger ones had the job of preventing the corpses from rotting by keeping them covered with snow. Another group had the task of seeing that the plane was kept in order. Even the weakest had a job to do: They were able to hold pieces of aluminum in the sun to melt snow for drinking water.

The first corpses they ate were those of the crew, strangers to them.

One day, when it was too cold to melt snow, they burned wooden Coca-Cola crates that they had found in the luggage compartment. After they had water, they roasted some meat over the embers. There was only enough heat to brown the pieces, but they found the flavor better—tasting, as they said, like beef, but softer. Canessa said they should never do this again, for heat destroys proteins. "You have to eat it raw to get its full value," he argued. Rejecting his advice, the survivors cooked the meat when they had the chance, about once or twice a week. Daily, the recurring question was, "Are we cooking today?"

Liliana told Javier that after they got back home she wanted to have another baby. He agreed. As they looked at one another, though, they saw eyes sunken into their sockets and bones protruding from their cheeks. They knew there was no hope, unless. . . . Liliana and Javier shuddered as they picked up a piece of meat.

Some never could eat. Although the others argued with them, even trying to force them to eat, they never could overcome their feelings of revulsion. They continued to refuse, and so day by day grew weaker. Others, however, grew accustomed to what they were doing. They became able to cut meat from a body before everyone's eyes. They could even eat larger pieces, which they had to chew and taste.

As time went on, they developed a set of rules. They would not eat the women's bodies. No one *had* to eat. The meat would be rationed, and no one could eat more than his or her share. The three who were going to leave in search of help could eat more than the others. One corpse would always be finished before another would be started. (It was overlooked when those who had the disagreeable job of cutting the corpses ate a little as they cut.)

They refused to eat certain parts of the body—the lungs, the skin, the head, and the genitals.

There were some things they never could get used to, such as cutting up a close friend. When they dug a corpse out of the snow, it was preserved just as it had been at the moment of death. If the eyes had been open when the

friend died, they were still open, now staring back at them. Everyone understood that no one had to eat a friend or relative.

Survival work became more organized. Those who could stomach it would cut large chunks from a body and pass them to another team, who would slice them with razor blades into smaller pieces. This was not as disagreeable a task, for, separated from the body, the meat was easier to deal with.

The sheets of fat from a body lay outside the rules. They were dried in the sun until a crust formed. Anyone could eat as much as they wished. But the fat wasn't as popular as the meat.

Also outside the rationing system were the pieces of the first carcasses they had cut up, before they developed the rules. Those pieces lay about the snow, and anyone who wanted could scavenge them. Some could never stomach the liver, others the heart or kidneys, and many could not eat the intestines of the dead. Three young men refused the red meat of the muscles.

The dead became part of their lives. One night, Inciarte reached up to get something from the hat rack and was startled when an icy hand brushed against his cheek. Apparently someone had sneaked it in as a late snack.

Constipation was an unexpected complication of their diet. As day after day went by without defecation, they began to worry that their insides would burst. Eventually they developed a sort of contest, wondering who would be the last hold-out. After 28 days, only two had not defecated. At 32, only one. Finally, on the 34th day, Bobby François joined the others.

The three who had been selected to go in search of rescuers had to solve the problem of preventing their feet from freezing. The skin of the dead provided the solution. By cutting an arm just above and below the elbow, and slowly pulling, the skin came away with its subcutaneous layers of fat. Sewing up the lower end made an insulated pair of socks.

Their bland diet became boring. As their bodies and minds cried out for variety, they began to seek new tastes. After eating the meat from a bone, they would crack it open and scoop out the marrow. Everyone liked the marrow. Some sought out the blood clots from around the heart. Others even ate parts of bodies that had started to rot. Many were revolted by this, but, as time went on, more of the survivors did the same.

Canessa, Parrado, and Vintini were selected to go in search of help. Before they left, Parrado took aside a couple of friends and said that they might run short of food before help could arrive. "I prefer you don't," he whispered, "but I'll understand if you eat my mother and sister."

Ten days after the expeditionaries set out, they stumbled into a shepherd's hut. The news of their survival, long after they had been given up for dead, came as a shock to their friends and relatives. Those still waiting on the mountain were rescued by helicopter—just four days before Christmas.

Although the survivors felt a compulsive need to talk about what they had done, at first physicians and government officials kept the cannibalism a secret. When the news leaked out, however, it made headlines around the

world. One survivor explained, "It was like a heart transplant. The dead sustained the living." Another said, "It was like holy communion. God gives us the body and blood of Christ in holy communion. God gave us these bodies and blood to eat."

All were Roman Catholics, and they asked forgiveness. The priests replied that they did not need forgiveness, for they had done nothing wrong. There was no soul in the bodies, the priests explained, and in extreme conditions, if there is no other way to survive, it is permissible to eat the dead. After consultation with relatives, it was decided to bury what was left of the dead at the crash site.

The young men, rejoining their families, became celebrities. They shunned the spotlight, however, banded together, and thought of themselves as special people. As persons who had survived the impossible, they felt that they had a unique purpose in life.

The world's reaction to the events in the Andes was shock and horror—mixed with fascination. As one Chilean paper asked in its headlines, "What would *you* have done?"

The Social Construction of Reality

I was going to let the story stop here, but I was told by a person very influential in my life that I really ought to make the sociology explicit. So let's see what sociological lessons we can derive from this tragedy in the Andes.

First, the main lesson, one from which the other points follow, comes from the symbolic interactionists, who stress that *our world is socially constructed*. By this, they mean that nothing contains built-in meanings. In other words, whatever meaning something has is arbitrary: We humans have given it a particular meaning, but we could just as well have given it a different meaning. *Second*, it is through a social process that we determine meanings; that is, people jointly decide on the meanings to assign events and objects. *Third*, because meanings (or what things symbolize to people) are arbitrary, people can change them. I am aware that these statements may sound extremely vague, but they should become clear as we look at how these survivors constructed their reality.

We might begin by asking what the meaning of a human body is. As with other aspects of life, a group can assign to a body any meaning that it wishes, for, by itself, a body has no meaning. These survivors did not begin to develop their definitions from scratch, however, for they brought to the Andes meanings that they had learned in their culture—basically that a body, while not a person, is still human, and must be treated with respect. A related meaning they had learned is that a human body is "not food." Such an understanding may seem natural to us because it matches our own cultural definitions—which obscures the arbitrary nature of the definition.

Fourth, when circumstances change, definitions can become outmoded—even definitions about fundamental aspects of life. *Fifth*, even though definitions no longer "work," changes in basic orientations do not come easily. *Sixth*, anyone who suggests such changes is likely to be seen as a threatening deviant. Shock, horror, or ridicule may be the reactions, and—for persons who persist on a disorienting course—shunning, ostracism, and violence may result. *Seventh*, the source of radical new ideas is extremely significant in determining whether or not they gain acceptance. *Eighth*, if an individual can drum up group support, then there exists a social basis for the new, competing definition. *Ninth*, if the group that offers the new definition can get enough others to accept it, then the common definition of reality will change. *Tenth*, changed circumstances make people more open to accepting new definitions of reality.

In this case, Canessa did not want to appear as a deviant, so he furtively proposed a new definition—entrusting it at first to only a few close friends. Even there, however, since it violated basic definitions acquired in early socialization, it was initially met with resistance. But the friends had high respect for Canessa, who had completed a year of medical school, and they were won over. This small group then proposed their new definition of human bodies to the larger group. Eventually, in the growing realization that death was imminent, this definition won out.

Eleventh, behavior follows definitions. That is, definitions of reality are not just abstract ideas; they also indicate the boundaries of what is allowable. We tend to do what our definitions allow. In this case, when the definition of human bodies changed, so did the survivors' behavior: The changed definition allowed them to eat human corpses.

Twelfth, definitions also follow behavior. That is, as people engage in an activity, they tend to develop ideas that lend support to what they are doing. In this instance, the eating of human flesh—especially since it was a group activity—reinforced the initial definition that had been only tentatively held, that the flesh was no longer human. Eventually, at least for many, the flesh indeed became meat—so much so that some people were even able to take a human hand to bed for a late-night snack.

Thirteenth, for their very survival, all groups must have norms. By allowing people to know what to expect in a given situation, norms provide a basic structure for people's relationships with one another. Without norms, anarchy and chaos would reign.

This principle also applies to groups that make deviance part of their activities. Although a superficial view from the outside may make such groups appear disorganized and without rules, they are in fact very normative. Groups of outlaw motorcyclists, for example, share an elaborate set of rules about what they expect from one another, most of which, like those of other groups, are not in written form. In short, norms cover even deviant activities, for, without them, how can group members know what to expect of one another?

The Andes survivors developed a basic set of norms to provide order to their deviant activity. Some of those norms were:

1. No one had to violate his or her conscience. If someone did not wish to eat human flesh, no one would force them.
2. Some bodies were "off limits."
3. Meat was rationed, with a specified amount for each person:
 - a. Fat was outside the rationing system, and
 - b. Leftover parts from the first bodies were outside the rationing system.
4. Meat was distributed according to an orderly system, namely:
 - a. Everyone who wished to could eat, and
 - b. Designated parts of the body could be "wasted."

Fourteenth, human groups tend to stratify, that is, to sort themselves out on a basis of inequality, with some getting more of a group's resources, some less. A norm concerning eating human flesh that I did not mention above illustrates this principle: Those persons deemed most valuable to the group were allowed to eat more. These were persons who were going in search of rescue and those who performed the disagreeable task of cutting up the bodies. This unequal division of resources represents the formation of a basic system of social stratification.

Fifteenth, human groups tend to organize themselves. In this instance, the survivors did not just randomly cut away at the bodies, but specific tasks were assigned. Teamwork developed to coordinate tasks, with some individuals performing specialized jobs in making the meat edible. Even the weakest had a part to play. The incipient social stratification just mentioned is another example of organization, one that sociologists call the division of labor. *Sixteenth*, an essential part of the human tendency to organize is the emergence of leadership—to direct and coordinate the activities of others. In this case, Canessa stands out.

Seventeenth, people attempt to maintain a respectable sense of self. These survivors were highly conforming individuals in that they had accepted the norms of their society and were striving for a respectable place within it. They wanted to continue to think of themselves as good people. Yet, they had to make a decision about doing an activity that went beyond the bounds of what they looked at as normal—one they even knew that "everyone" defined as wrong.

Eighteenth, it is possible to maintain a "good" self-image and still engage in deviant activities. Because the essence of human society is the social construction of reality, so the key to the self also lies in how reality is defined. If you can redefine an activity to make it "not deviant," then it does not threaten your sense of a "good" self. In this present instance, the Andes survivors looked on eating human flesh as part of their "duty to survive." To do a duty is a good thing, and, accordingly, the acts required by it cannot be "bad." In fact,

they must be "good." (The most infamous example of the use of this basic principle was Hitler's SS, who looked on killing Jews as necessary for the survival of the "Aryan" race and culture. They even termed the slaughter a "good" act and their participation in it as patriotic and self-sacrificing.)

This principle helps many people get through what otherwise would be excruciatingly painful nights—for they would toss sleeplessly owing to a gnawing conscience. Redefinition, by keeping one's sense of self intact, allows people to participate in a variety of acts condemned by society—even those disapproved by the self. For most people, redefinition involves much less dramatic acts than eating human flesh, such as a college student cheating on a test or a boss firing a worker.

Nineteenth, some people participate in deviant acts even though they remain unconvinced about such redefinitions. (Some do not even attempt to redefine them.) They may do so from a variety of motives—from what they consider "sheer necessity" to the desire to reach a future goal. Liliana and Javier, who decided that they wanted a baby, are an example. Such persons have greater difficulty adjusting to their acts than those who redefine them as "good." (Even the latter may have difficulty, for redefinitions may be only partial, especially in the face of competing definitions.)

Twentieth, people feel they must justify their actions to others. This process of justifying the self involves clothing definitions of reality in forms thought to be acceptable to others. In order for definitions to be accepted, they must be made to fit into the others' already-existing definitional framework. In this case, the survivors—speaking to a Roman Catholic audience—used the analogy of holy communion to try to justify their act.

Twenty-first, to gain institutional support is to secure a broad, solid base for one's definitions of reality. Then one no longer stands alone, which is to invite insanity, nor is one a member of a small group, which is to invite ridicule and may require cutting off oneself from the larger group. In this case, institutional support was provided by the Roman Catholic Church, which, while not accepting the survivors' analogy of cannibalism as communion, allowed them to avoid the label of sin by defining their actions as allowable under the circumstances.

Finally, note that these principles are fundamental to human life. They do not simply apply to the Andes survivors—or to deviants in general—but they underlie human society. For all of us, reality is socially constructed, and the story of the Andes survivors contains the essence of human society.